INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001619 A. CLASSIFICATION OF SUBJECT MATTER Int.Cl7 B01J20/10, C01B33/18//B65D81/34 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 B01J20/10, C01B33/18, C12C11/11, A61K7/00-7/50, B65D81/34 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Jitsuyo Shinan Koho Kokai Jitsuyo Shinan Koho Toroku Jitsuyo Shinan Koho 1994-2005 1971-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* 1-4,6-8 JP 8-67578 A (Toyota Central Research And X Development Laboratories, Inc.), 12 March, 1996 (12.03.96), Claims; Par. No. [0054]; examples & US 5599759 A JP 2002-187712 A (National Institute of 1-4,6-8 X Advanced Industrial Science and Technology, Mizusawa Industrial Chemicals, Ltd., Katsunori KOSUGE), 05 July, 2002 (05.07.02), Claims; Par. No. [0033]; Fig. 1 (Family: none) Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive "E" earlier application or patent but published on or after the international filing date step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is "0" document referring to an oral disclosure, use, exhibition or other means combined with one or more other such documents, such combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later than the "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 22 April, 2005 (22.04.05) 17 May, 2005 (17.05.05) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office Telephone No.

INTERNATIONAL SEARCH REPORT

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PCT/JP2005/001619

		PC1/UP2	005/001619
C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT		
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X Y	JP 10-152317 A (Shiseido Co., Ltd.), 09 June, 1998 (09.06.98), Claims; Par. Nos. [0002], [0026], [0063]; examples & EP 872447 Al & US 2002/51802 & WO 1998/014399 Al	•	1-4,6-8 5
X Y	JP 11-106324 A (Shiseido Co., Ltd.), 20 April, 1999 (20.04.99), Claims; example 3 (Family: none)		1-4,6-8 5
Y	WO 2002/057403 A1 (INEOS SILICAS LTD.), 25 July, 2002 (25.07.02), Claims; examples & JP 2004-522438 A & EP 1354027 A1 & US 2004/62835 A1		1-4,6-8
Y	JP 2003-3013 A (Nikko Chemicals Kabushik Kaisha, Nippon Safakutanto Kogyo Kabushik Kaisha), 08 January, 2003 (08.01.03), Claims; Par. No. [0009] (Family: none)		5
У	JP 2002-145734 A (Shiseido Co., Ltd.), 22 May, 2002 (22.05.02), Claims; Par. No. [0017] & EP 1314416 A1 & US 2003/72779 & WO 2002/017860 A1	A1	5
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	ernational Patent Classification (IPC) or to both national	l classification and IPC			
B. FIELDS SE.			<u>+- </u>		
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Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971-2005 To	tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	1996-2005 1994-2005		
Electronic data b	ase consulted during the international search (name of o	data base and, where practicable, search to	arms used)		
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х	JP 2002-187712 A (National I: Advanced Industrial Science a Mizusawa Industrial Chemicals KOSUGE), 05 July, 2002 (05.07.02), Claims; Par. No. [0033]; Fig. (Family: none)	und Technology, , Ltd., Katsunori	1-4,6-8		
Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		 *T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination 			
				"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	
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Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

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